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Bohn et al.

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(54) **USING CONTENT AGGREGATION TO BUILD ADMINISTRATION CONSOLES**

(58) **Field of Classification Search** 715/736,
715/738; 709/218, 222, 224
See application file for complete search history.

(75) Inventors: **Joseph A. Bohn**, Durham, NC (US);
Kathryn H. Britton, Chapel Hill, NC
(US); **Samar Choudhary**, Morrisville,
NC (US); **Donald F. Ferguson**,
Yorktown Heights, NY (US); **Carol A.**
Jones, Raleigh, NC (US); **Richard A.**
King, Cary, NC (US); **Jason R. McGee**,
Apex, NC (US); **Christopher C.**
Mitchell, Raleigh, NC (US); **Vijay**
Pandiarajan, Morrisville, NC (US);
Douglas R. Petty, Rochester, MN (US);
Elizabeth A Schreiber, Cary, NC (US);
Timothy G. Shortley, Raleigh, NC
(US); **Shikha Srivastava**, Cary, NC
(US); **John W. Sweitzer**, Austin, TX
(US); **Robert T. Uthe**, Morrisville, NC
(US)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,361,361	A	11/1994	Hickman et al.
5,893,916	A	4/1999	Dooley
6,011,537	A	1/2000	Slotznick
6,043,816	A	3/2000	Williams et al.
6,049,799	A	4/2000	Mangat et al.
6,219,700	B1	4/2001	Chang et al.
6,240,410	B1	5/2001	Wical
6,256,668	B1	7/2001	Slivka et al.

(Continued)

OTHER PUBLICATIONS

Joseph A. Bohn et al., U.S. Appl. No. 10/795,007, filed Mar. 5, 2004,
Office Action, Jun. 5, 2007, 11 pages.

(Continued)

Primary Examiner — Tadeese Hailu

Assistant Examiner — Haoshian Shih

(74) *Attorney, Agent, or Firm* — Marcia L. Doubet

(57) **ABSTRACT**

Content aggregation is used to build administration consoles. Preferred embodiments enable providing a solution-based approach to information technology (“IT”) administration, whereby content can be flexibly arranged to provide a content view that is adapted for the IT solution deployed in a particular IT environment. In preferred embodiments, portal technology is used for the aggregation framework, and portlets are used for creating content. Alternatively, other approaches such as struts and tiles may be used. Preferred embodiments deploy an administration console as a Web-accessible application, and this console consolidates the administration interfaces for an arbitrary set of management operations, including administration of an arbitrary collection of hardware and/or software resources. Roles/permissions may be used when rendering content for the console, thereby customizing a view to individual end users (or user groups).

6 Claims, 37 Drawing Sheets

(73) Assignee: **International Business Machines Corporation**, Armonk, NY (US)

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